



Figure 2

5

ClustalW Alignment of PFI-020 with P2U purinoceptor 1 (P2U1)

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10  P2U1..  MAADLGPWNDDTINGTWDGD---ELGYR-----CRFNEDFKYVLLPVSYGV
    PFI-020.. MLSILLPSRGSRSRSGALLLEGASRDMEKVDMMNTSQEQGLCQFSEKYKQVYLSLAYSI
           * : * * ..: .*: *      * . *                *:*.*: * * *.:*.:
15  P2U1..  VCVLGLCLNAVALYIFLCRLKTWNASTTYMFHLAVSDALYAASLPLLVIYYVARGDHWPFPS
    PFI-020.. IFILGLPLNGTVLWHSWGQTKRWSCATTYLVNLMVADLLYVL-LPFLIITYSLDDRWPFG
           : :*** **...:      : * *...:***:..* * * * . ***: * : .:****.
20  P2U1..  TVLCKLVRFLEYTNLYCSILFLTCISVHRCGLGVLRLRSLRWGRARYARRVAGAVVWLVL
    PFI-020.. ELLCKLVHFLFYINLYGSILLTLCISVHQFLGVCHPLCSLPYRTRRHAWLGTSTTWALVV
           :*****:***** *** ***:*****: *** :** ** :   ** :...****:
25  P2U1..  ACQAPVLYFVTTTSARGGRVTCHDTSAPELFSRFVAYSSVMLGLLFAVPFAVILVCYVLMMA
    PFI-020.. LQLLPTLAFSHTDYINGQMIWYDMSQENFDRLFAYGIVLTLSGFSLGHLGHFVLFDTGQ
           * . * * * . .*: : * : : * * .:***. *:      * :. : * :.
30  P2U1..  RRLKPAYGTSGGLPRAKRKSVRTIAVVLAVFALCFLPFHVTRTLYYSFRSLDLSCHTLN
    PFI-020.. ----EPDQ--ARGEPHEDRQ--HSPSQVHPDHPTGVWPLHPLFCALP-YHSLLLPHHLLS
           :*      : * * : .*: : : * . . . *:*      :*** * . * *.
35  P2U1..  AINMAYKVTRPLASANSCLDPVLYFLAGQRLVRFARDAKPPTGSPATPARRRLGLRRSD
    PFI-020.. AFSG-----LPALDGSQCG-----L---QDMEASGECEQLPQ-PSPVLSFK-GGKNRVR
           *: .      * ...*      : * : . . : * ***. . :   * . *
    P2U1..  RTDMQRIGDVLGSSSEDFRRTESTPAGSENTKDIRL
    PFI-020.. LLQKLRQ-NKLGEHPAGR--KRCP-G-LN----RS
           : * : ** . * : * * * *

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Figure 3: Stimulation of PFI-020 by 2-methyl-thio-ADP

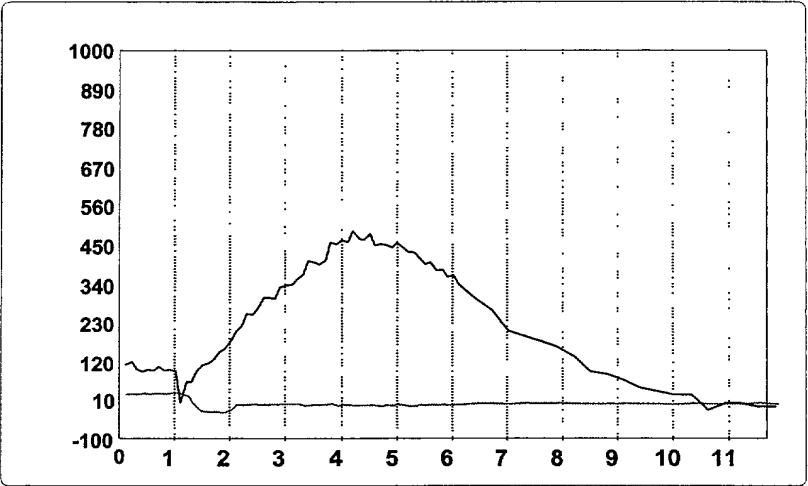
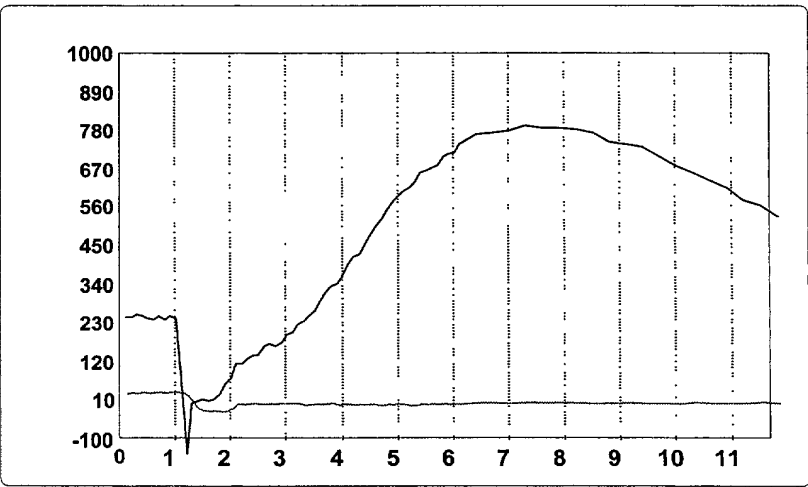
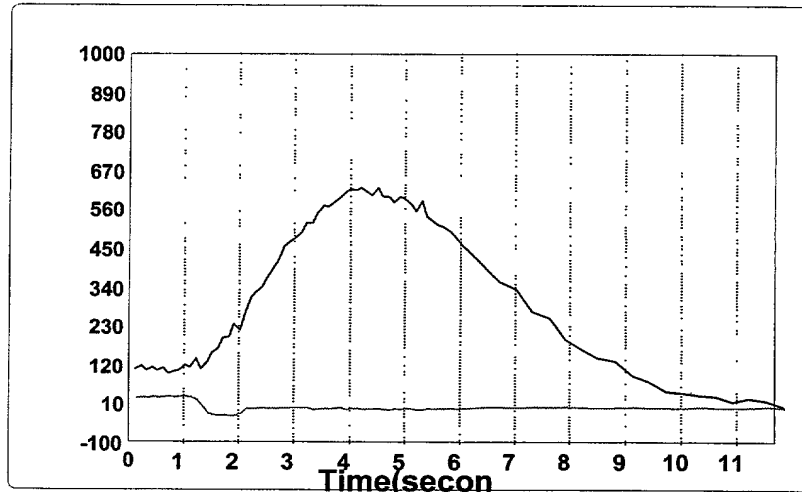


Figure 4: Stimulation of PFI-020 by UTP



**Figure 5: Stimulation of PFI-020 by 2-chloro-ATP**



**Figure 6: Stimulation of PFI-020 by 2-methyl-thio-ATP**

